

**THE EFFECT OF THE ADDITION OF *Placuna placenta* SHELL
TOWARDS THE WEIGHT AND LENGTH OF OS. FEMUR OF QUAIL**

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ABSTRACT

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The purpose of this research was to discover the effect of the addition of shell towards the weight and length of os. femur of quail. This research used 4 treatments and 5 replications with the number of sample was 20 quails with 8-week-old. Each treatment was given shell as addition 2% (P1), 3% (P2), and 4% (P3) in commercial feed, except P0 was given only commercial feed. Based on ANOVA result could be seen that no significant change on presentation of the os. femur weight ($P > 0.05$) with respective result as 0,509% (P0); 0,513% (P1); 0,500% (P2); and 0,547% (P3), while the os. femur length that shown no significant change ($P > 0.05$) with respective result as 38,29 mm (P0); 37,91 mm (P1); 39,25 mm (P2); and 38,4 mm (P3). The conclusion of this research was that the addition of shell up to 4% level could not give influence to the weight and length of os. femur of quail.

Keywords : shell, weight of os. femur, length of os. femur, quail.